Sequence Listing

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<120> Peptides having a cyclic structure and restoring the activities of P53 protein to mutant P53 protein

<130> 1061

<140> PCT/JP98/02148
<141> 1998-5-15

<150> JP97/126113
<151> 1997-05-15

<160> 32

<210> 1
<211> 15
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<220>
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<400> 1
Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15

<210> 2
<211> 13
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<400> 2
Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys
1 5 10

<210> 3
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<220>
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<400> 3
Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys
 1   5   10

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<400> 4
Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
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Cys

<210> 5
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<223> BINDING type is -CONH2-.

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<400> 5

Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15

Cl
Cont.

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<220>
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<223> Xaa represents L-Cysteine amide

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<400> 6
Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15
Xaa

<210> 7
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<220>
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<223> Xaa represents N-Acetyl-L-cysteine

<220>
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<223> Xaa represents L-Cysteine amide

<220>
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Cl cont.

<400> 7
Xaa Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15
Xaa

<210> 8
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<212> DNA
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<400> 8
CTAGACAGCC AGACTGCCTT CCGGGTCACT GC
32

<210> 9
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<212> DNA
<213> Artificial Sequence

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CATGGCAGTG ACCCGGAAGG CAGTCTGGCT GT
32

<210> 10
<211> 26
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TCGAGAGACA TGCCTAGACA TGCCTG
26

<210> 11

<211> 26
<212> DNA
<213> Artificial Sequence

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<223> Other nucleic acid Synthetic DNA

<400> 11
TCGACAGGCA TGTCTAGGCA TGTCTC
26

<210> 12
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<212> DNA
<213> Artificial Sequence

<220>
<223> Other nucleic acid Synthetic DNA

<400> 12
TCGAGCCCGG GGGTACCGCA TG
22

<210> 13
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Other nucleic acid Synthetic DNA

<400> 13
CGGTACCCCC GGGC
14

<210> 14
<211> 32
<212> DNA
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<400> 14
TCGAGGGACT TGCCTGGACT TGCCTGTCGA CG
32

<210> 15
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<220>
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<400> 15
GTACCGTCGA CAGGCAAGTC CAGGCAAGTC CC
32

<210> 16
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<223> Xaa represents 12-Dodecanamide

<220>
<223> Synthetic peptide

<400> 16
Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15
Cys Xaa

<210> 17
<211> 17
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<222> (17)
<223> Xaa represents N-Dodecyl-L-cysteine amide

<220>
<223> Synthetic peptide

<400> 17
Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15
Xaa

<210> 18
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<223> Xaa represents N-Octadecyl-L-cysteine amide

<220>
<223> Synthetic peptide

<400> 18
Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15
Xaa

<210> 19
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<223> Xaa represents Nâ├-Acetyl-L-lysine

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1 5 10 15
Cys

<210> 20
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<220>
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<223> BINDING type is -S-CH2-S-.

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<223> Xaa represents L-Cysteine.

<220>
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<222> (17)
<223> Xaa represents L-Cysteine amide.

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<400> 20
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1 5 10 15
Xaa

<210> 21
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<220>
<221> BINDING

<222> (1)..(16)
<223> BINDING type is -CONH2- between -NH2(â├)in Lys and -COOH in Leu.

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<223> Synthetic peptide

<400> 21
Lys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15

<210> 22
<211> 16
<212> PRT
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<220>
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<222> (1)..(8)

<220>
<221> SITE
<222> (16)
<223> Xaa represents L-Leucine amide.

<220>
<223> Synthetic peptide

<400> 22
Cys Leu Lys Ser Lys Lys Gly Cys Ser Thr Ser Arg His Lys Lys Xaa
1 5 10 15

<210> 23
<211> 16
<212> PRT
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<223> BINDING type is -CONH2- between -NH2(â├)in Lys and -COOH in Asp.

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<223> Xaa represents L-Leucine amide.

<220>
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<400> 23
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1 5 10 15

<210> 24
<211> 16
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<222> (7)..(13)
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<220>
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<223> Xaa represents L-Leucine amide.

<220>
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<400> 24
Leu Lys Ser Lys Lys Gly Asp Ser Thr Ser Arg His Lys Lys Xaa
1 5 10 15

<210> 25
<211> 16
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<220>
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<223> Synthetic peptide

<400> 25
Cys Leu Lys Ser Lys Lys Gln Ser Thr Ser Arg His Lys Lys Leu Cys
1 5 10 15

<210> 26
<211> 16
<212> PRT
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<223> BINDING type is -CH2S-.

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<223> Xaa represents N-Methylenecarbonyl-L-leucine whose methylene bonds to S in Cysteine amide.

<220>
<221> SITE
<222> (16)
<223> Xaa represents Cysteine amide whose S bonds to methylene in N-Methylenecarbonyl-L-leucine.

<220>
<223> Synthetic peptide

<400> 26
Xaa Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu Xaa
1 5 10 15

<210> 27
<211> 17
<212> PRT
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<223> Xaa represents L-Cysteine.

<220>
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<222> (17)
<223> Xaa represents L-Cysteine amide.

<220>
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<400> 27
Xaa Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15
Xaa

<210> 28
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
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<222> (3)..(16)

<220>
<221> SITE
<222> (16)
<223> Xaa represents L-Cysteine amide.

<220>
<223> Synthetic peptide

<400> 28
Leu Lys Cys Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu Xaa
1 5 10 15

<210> 29
<211> 16
<212> PRT
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<222> (1)..(11)

<220>
<221> SITE
<222> (16)
<223> Xaa represents L-Leucine amide.

<220>
<223> Synthetic peptide

<400> 29
Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Cys Arg His Lys Lys Xaa
1 5 10 15

Cont.

<210> 30
<211> 15
<212> PRT
<213> Artificial Sequence

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<220>
<221> SITE
<222> (15)
<223> Xaa represents L-Leucine amide.

<220>
<223> Synthetic peptide

<400> 30
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1 5 10 15

<210> 31
<211> 18
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<220>
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<222> (18)
<223> Xaa represents L-Glycine n-butyl amide.

<220>
<223> Synthetic peptide

<400> 31
Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15
Cys Xaa

<210> 32
<211> 15
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<221> BINDING
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<223> BINDING type is -CONH2- between -COOH (â└) in Asp and -NH2 (â├) in Lys

<220>
<221> SITE
<222> (15)
<223> Xaa represents L-Leucine amide.

<220>
<223> Synthetic peptide

<400> 32
Leu Lys Asp Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Xaa
1 5 10 15